

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Improvements to Roads and Drains at Ramachandrapura in Ward No. 10 (Doddabommasandra), Vidyanarayapura Sub Division.

Sl. No	Description	Unit	Estimate Cost:					2500000.00	
			No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 142 / Item No. 19.1 / PWD SR 2016-17	Cum							
	Kempanna Layout Apartment Cross Road 1		1	150.00	1.00	0.90	135.00		
	Cross Road 2		1	80.00	1.00	0.90	72.00		
	BNS Layout Desilting		2	110.00	0.60	0.45	59.40		
	Basic Rate	82.00					266.40	208.93	55658.00
	AD-HOC @ 11% of PWD SR 2016-17	9.02							
	Add loading and unloading Charges It No 17.1 KSRRB M 100-1	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		197.10							
	Area Weightage @ 6%	11.83							
	Total	208.93							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2. No. 12 / Item No. 4.3 / PWD SR 2016-17	Cum							
	Kempanna Layout Apartment Cross Road 1		1	150.00	1.00	0.15	22.50		
	Cross Road 2		1	80.00	1.00	0.15	12.00		
	Basic Rate	4867.00					34.50	5726.51	197565.00
	AD-HOC @ 11% of PWD SR 2016-17	535.37							
	Sub Total	5402.37							
	Area Weightage @ 6%	324.14							
	Total	5726.51							
3	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. Page No. 18 / Item No. 4.48 / PWD SR 2016-17	Cum							
	Drain Bottom Concrete		1	150.00	0.90	0.15	20.25		
			1	80.00	0.90	0.15	10.80		
	Side Wall		2	150.00	0.15	0.60	27.00		
			2	80.00	0.15	0.60	14.40		
	Raising of Drain		2x2	110.00	0.15	0.20	13.20		
	Basic Rate	5879.00					85.65	6917.23	592461.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	AD-HOC @ 11% of PWD SR 2016-17	646.69							
	Sub Total	6525.69	✓						
	Area Weightage @ 6%	391.54	✓						
	Total	6917.23	✓						
4	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2016-17	Tonne							
	For Drain @ Consider 60 Kg / Cum		0.06	85.65			5.14	71310.20	366463.00
	Basic Rate	60607.00						✓	✓
	AD-HOC @ 11% of PWD SR 2016-17	6666.77							
	Sub Total	67273.77	✓						
	Area Weightage @ 6%	4036.43	✓						
	Total	71310.20	✓						
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15 / Item No. 4.31 / PWD SR 2016-17	Sqm							
	Side Wall		4	150.00		0.60	360.00		
			4	80.00		0.60	192.00		
			2x4	110.00		0.20	176.00		
	Basic Rate	293.00					728.00	344.74	250973.00
	AD-HOC @ 11% of PWD SR 2016-17	32.23					✓	✓	✓
	Sub Total	325.23	✓						
	Area Weightage @ 6%	19.51	✓						
	Total	344.74	✓						
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 7.5 cms thick Page No. 25 / Item No. 5.31.1/ PWD SR 2016-17	Sqm							
	For Covering Slab		1	150.00		0.90	135.00		
			1	80.00		0.90	72.00		
			2	113.00		0.90	203.40		
	Basic Rate	628.00					410.40	738.90	303247.00
	AD-HOC @ 11% of PWD SR 2016-17	69.08					✓	✓	✓
	Sub Total	697.08	✓						
	Area Weightage @ 6%	41.82	✓						
	Total	738.90	✓						
7	KSRB 5-9: Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 Page No. 24 / Item No. 5.22 / PWD SR 2016-17	m							
			760	3.00			2280.00	41.18	93893.00
	Basic Rate	35.00					✓	✓	✓
	AD-HOC @ 11% of PWD SR 2016-17	3.85							
	Sub Total	38.85	✓						
	Area Weightage @ 6%	2.33	✓						
	Total	41.18	✓						

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
8	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5-1.13 Page No. 24 / Item No. 5.18 / PWD SR 2016-17	Sqm							
			Qty Vide Item No. 6				410.40		
	Basic Rate	909.00						410.40	1069.53
	AD-HOC @ 11% of PWD SR 2016-17	99.99							438935.00
	Sub Total	1008.99							
	Area Weightage @ 6%	60.54							
	Total	1069.53							
9	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. No. 12/ Item No. 4.6 / PWD SR 2016-17	Cum							
	Ramp		1	150.00	0.30	0.10	4.50		
			1	93.00	0.30	0.10	2.79		
			2	112.00	0.30	0.10	6.72		
	Bed Concrete		2	112.00	0.60	0.10	13.44		
	Basic Rate	5441.00						27.45	6401.88
	AD-HOC @ 11% of PWD SR 2016-17	598.51							175732.00
	Sub Total	6039.51							
	Area Weightage @ 6%	362.37							
	Total	6401.88							
	Sub Total								2474927.00
	For Third Part QC inspection Charges @ 1%								24749.00
	Miscellaneous and other Charges	L/S							324.00
								Total	2500000.00
Rupees Twenty Five Lakh(s) Only									

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2016-17.
- 3 This work included under 2017-18 POW Grants.
- 4 The provisions were made in this estimate are necessary and adequate.
- 5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidaryanapura Sub Division

Executive Engineer

Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval

Accorded For
Head of A/C
CER NO : 343 Date: 08.02.18

TA

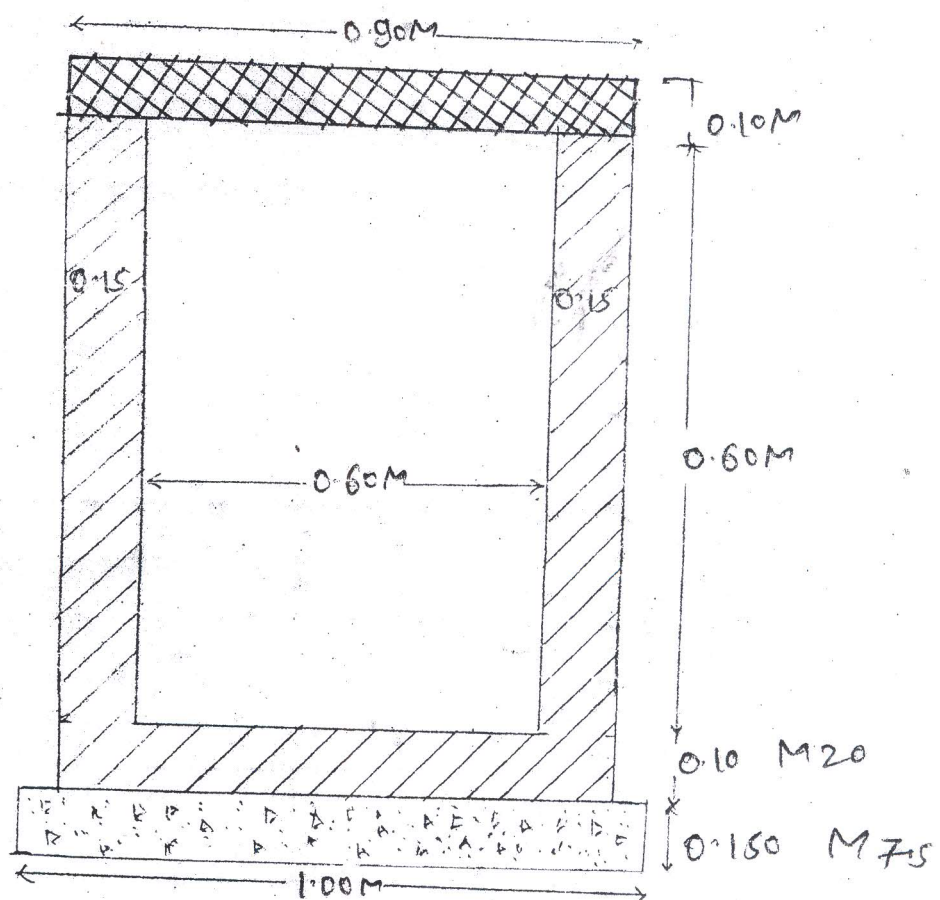
CE (YNA)

Technical Sanction

Approved by
CER NO : 687 Date: 16.02.18

TA

CE (YNA)



CROSS SECTION OF CC DRAIN

Bhargava

AE, w-10

[Signature]